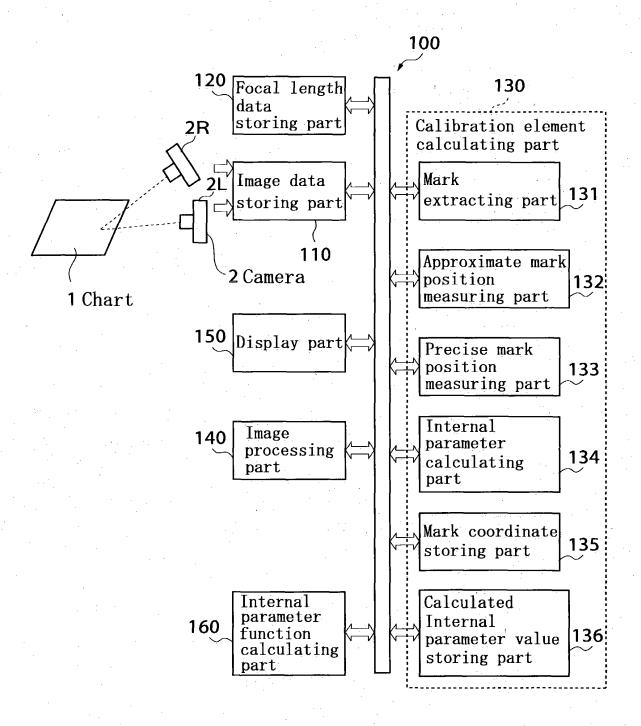
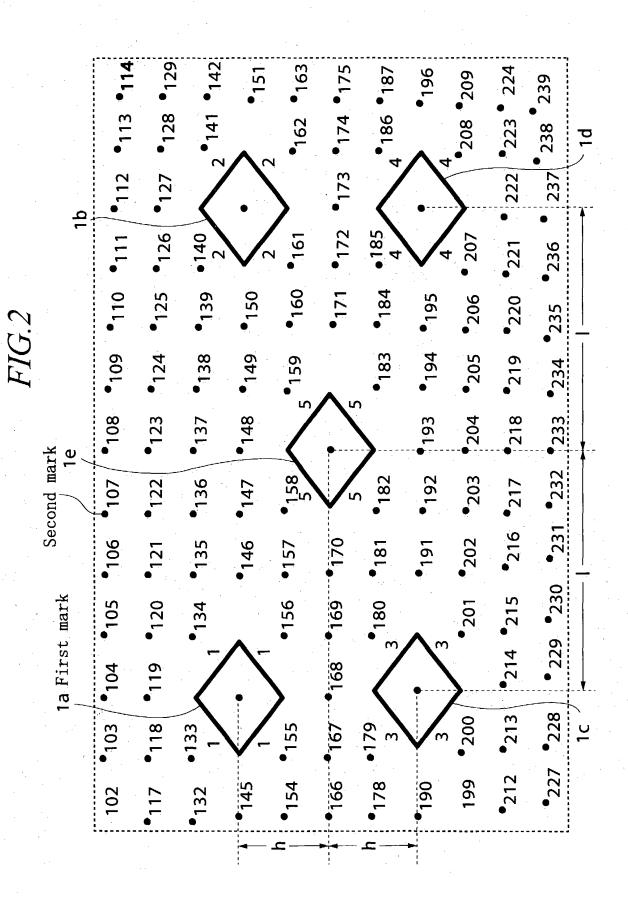
FIG. 1



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First mark

FIG. 3(A)

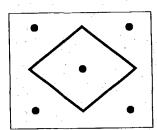


FIG. 3(B)

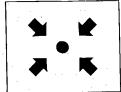
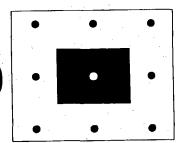


FIG. 3(C)



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Second mark

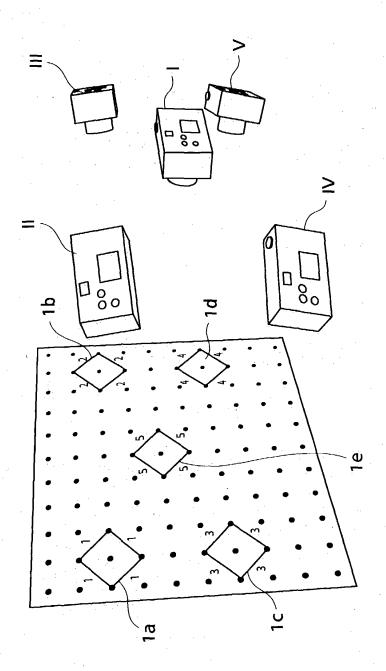
0

FIG. 4(A) FIG. 4(B) FIG. 4(C)

× FIG. 4(D) FIG. 4(E) FIG. 4(F)

FIG. 4(H) FIG. 4(G)

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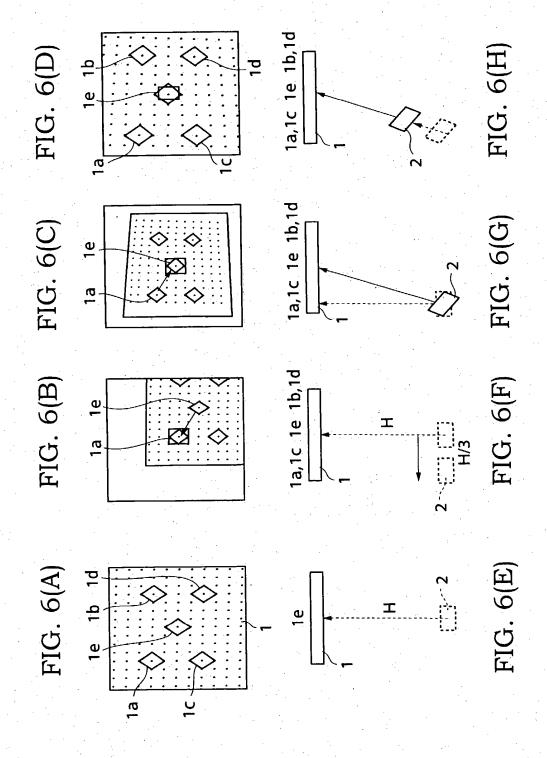


FIG. 7

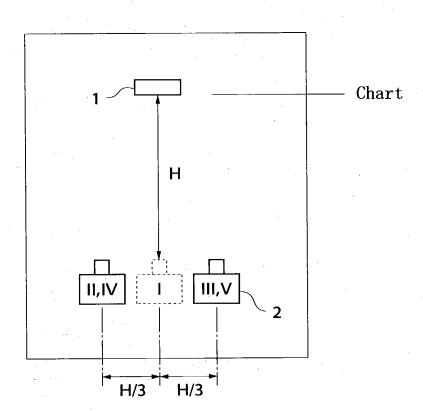
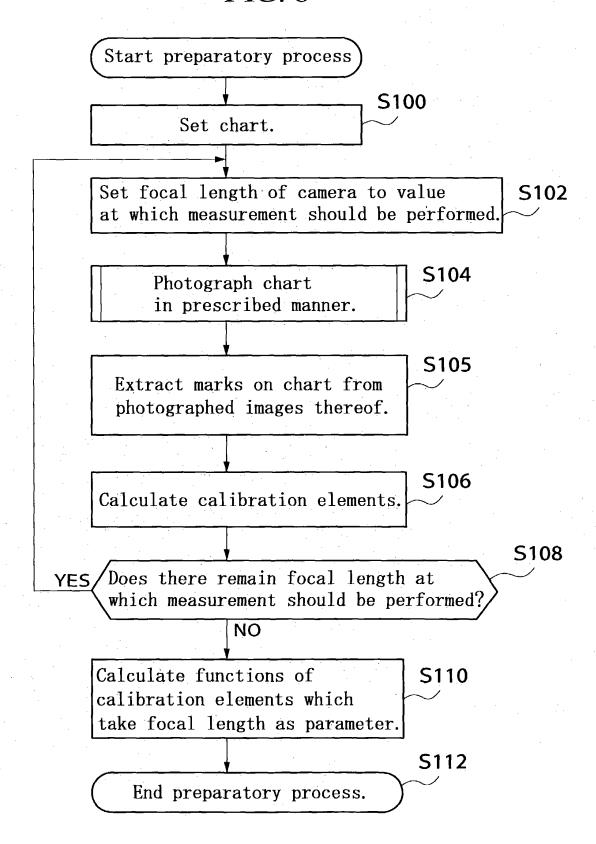


FIG. 8



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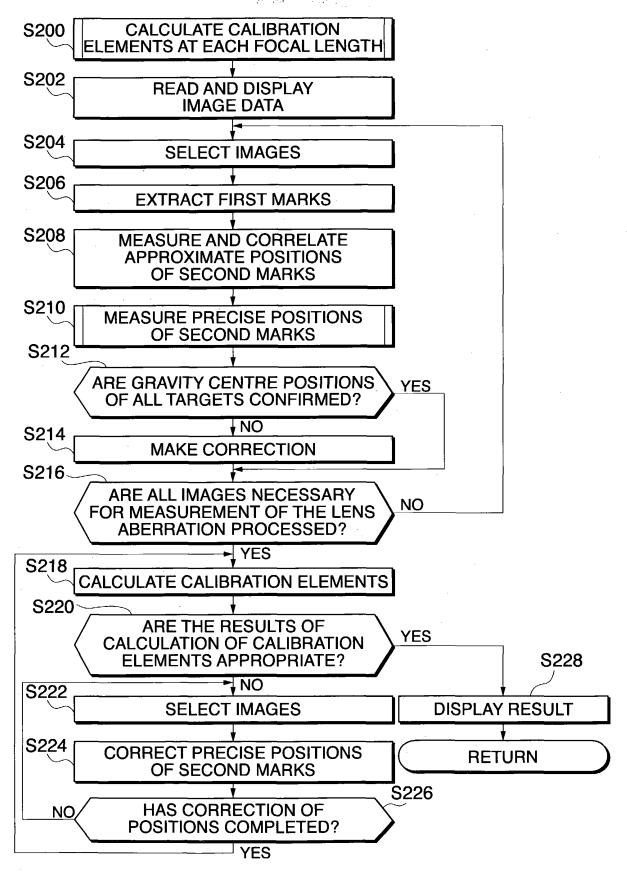
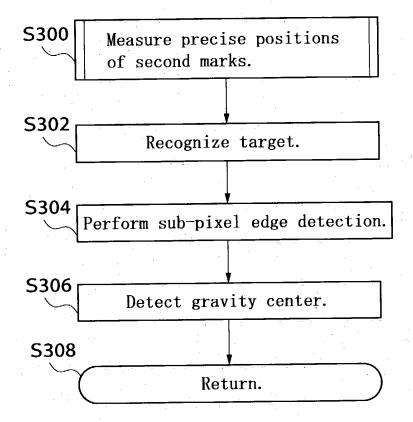
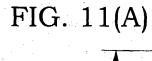
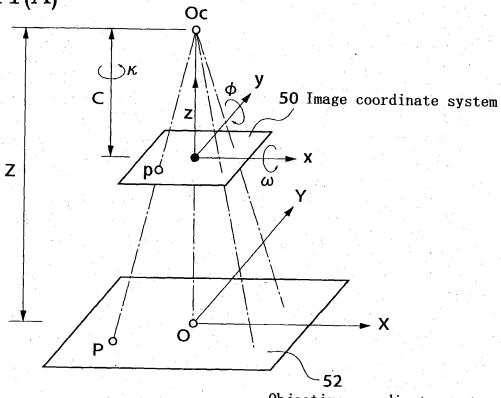


FIG. 10



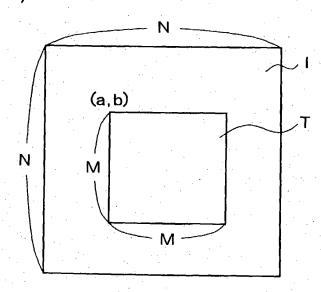
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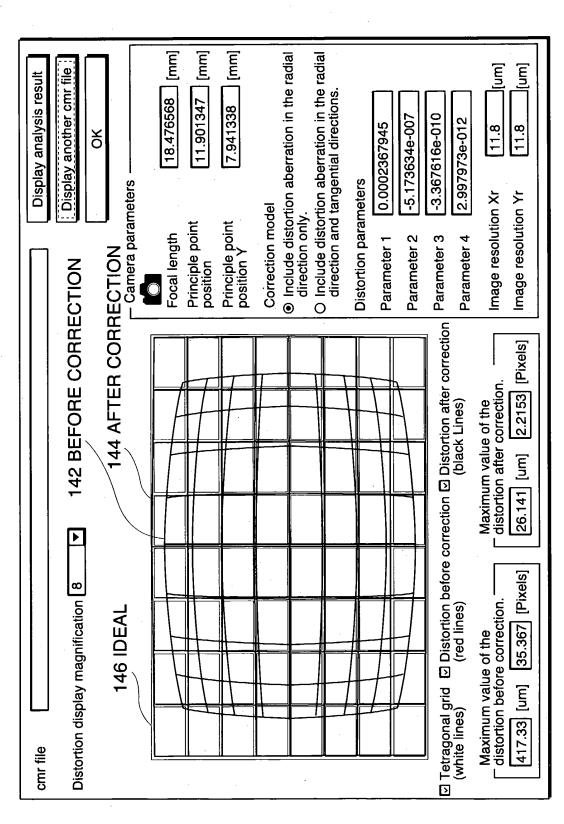
Objective coordinate system

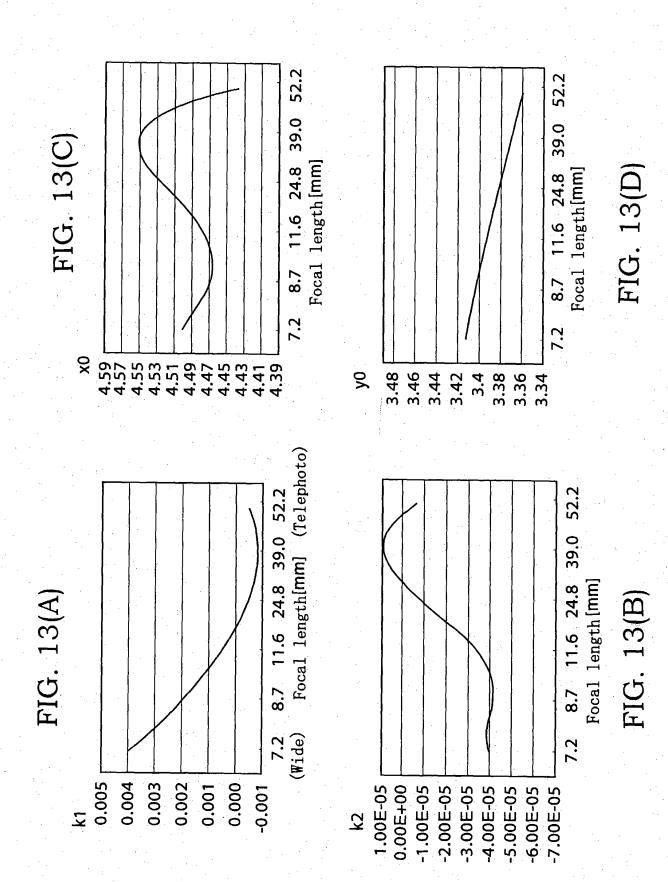
FIG. 11(B)



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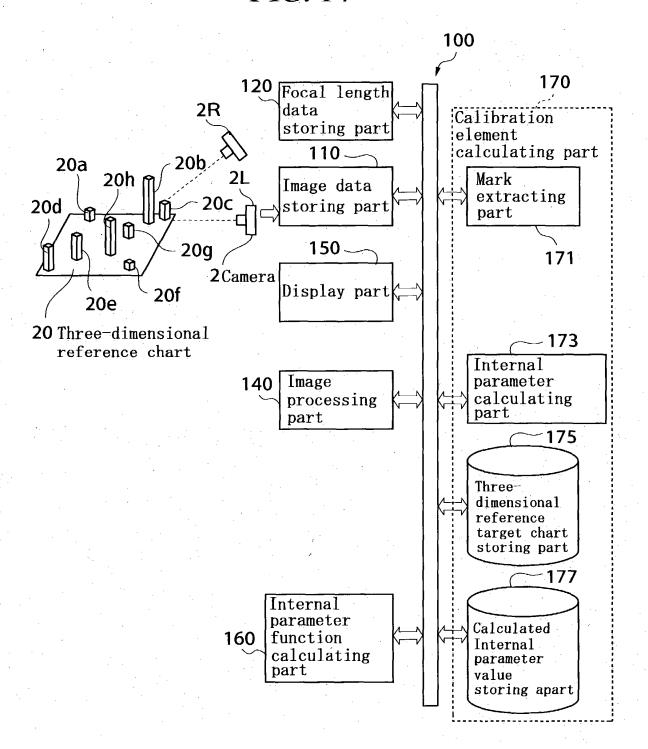
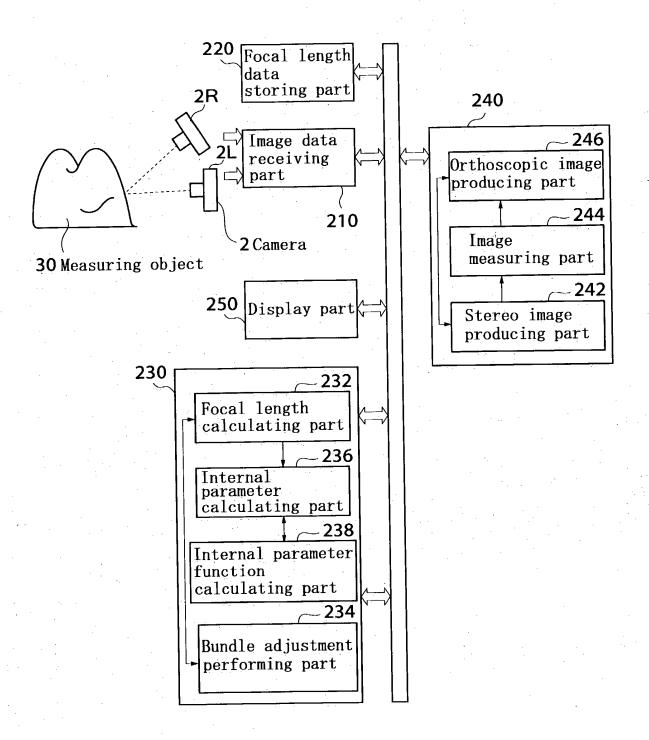
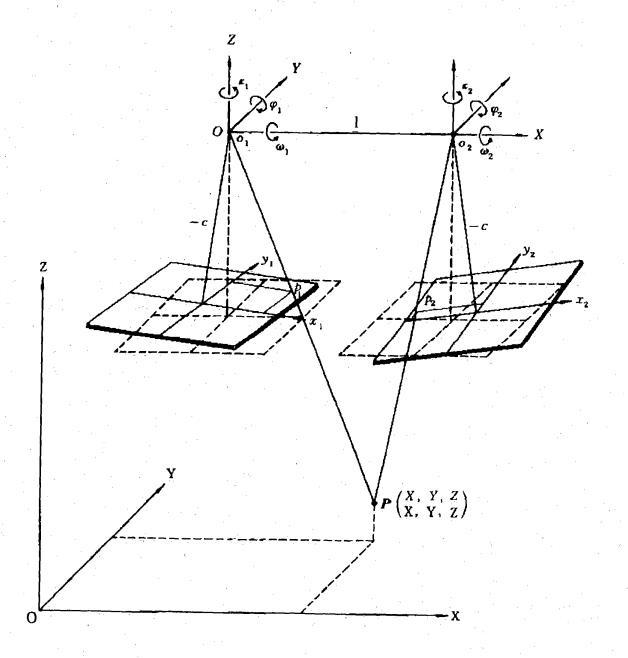


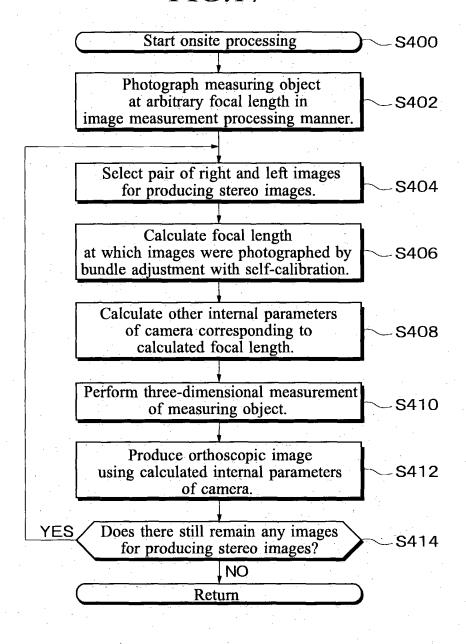
FIG. 15



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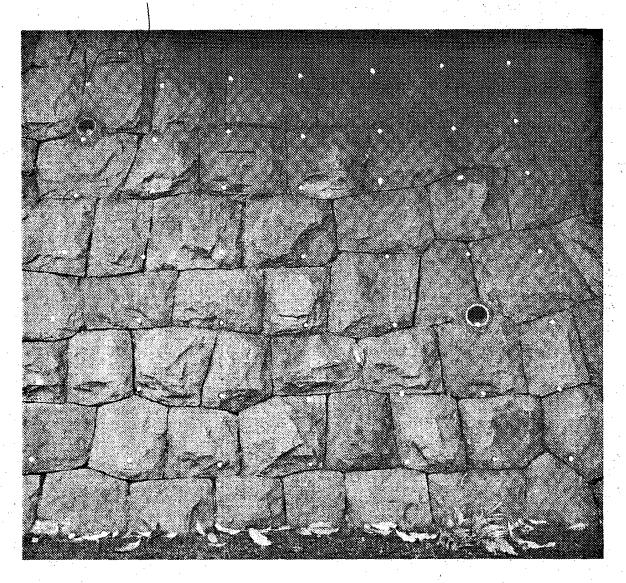
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FIG. 18

Control point



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FIG.19

Photographing and analyzing conditions (unit: mm)

	Focal length (approximate value)	Object distance H	Photographing baseline length B
Case 1: Relatively wide	9	2586	774
Case 2: Intermediate	30	6494	1904
Case 3: Relatively telephoto	42	7516	1706

Results of Experiment for Measurement Accuracy

Pattern Focal length	Focal length (analysis value) [mm]	Vertical parallax at mutual localization	Plane accuracy Depth accuracy [mm]	Depth accuracy [mm]	σ_{xx}	$\begin{bmatrix} \boldsymbol{\sigma}_z \\ [\textbf{mm}] \end{bmatrix}$
Case 1: Relatively wide (Without correction)	8.83	1. 5 (8. 8)	0 7 (8. 4)	1. 4 (13. 5)	1.0	ო ო
Case 2: Intermediate, approx. (Without correction)	30.04	0. 8 (6. 7)	- 3 (9 6)	1.8	0. 7	5
Case 3: Relatively telephoto (Without correction)	43. 21	1. 5 (6. 8)	1. 4 (11. 3)	1. 9 (18. 8)	0.6	2. 6